

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1 1. (Currently amended) A computer system comprising a first network, a
2 first computer connected to the first network, a second network connected to the first network,
3 and a second computer and a third computer connected to the second network, the first computer
4 comprising:
5 a communication interface for connecting the first computer to the first network;
6 a disk storage device for storing data;
7 a disk interface for communicating data with the disk storage device;
8 a CPU for controlling the first computer; and
9 a memory for storing data and ~~a first program and a second program~~program code
10 for operating the CPU,
11 wherein the first program code includes:
12 a module for recording situations of access to a file stored in the disk
13 storage device from the third computer, the module being executed by the CPU at
14 predetermined intervals, and
15 wherein the second program code is executed depending on the access situation,
16 the second program code further including:
17 a module for searching the second network connected to the third
18 computer;
19 a module for searching a candidate for migration for the second network;
20 a module for designating the file as the candidate for migration to the
21 second computer;
22 a module for transmitting a migrator acceptor search packet to the second
23 computer for inquiring whether or not the second computer can accept the file;

24 a module for receiving a reply packet from the second computer as a
25 response to the migrator acceptor search packet; [[and]]
26 a module for transferring the file to the second computer;
27 a module for storing information indicative of whether the file has been
28 transferred to the second computer or the file exists in the first computer;
29 a module for storing a path name for the second computer when the file
30 has been transferred to the second computer; and
31 a module for receiving and storing the file in the first computer, when the
32 file is returned from the second computer.

1 2. (Currently amended) The computer system according to claim 1, wherein:
2 the memory stores a path of the file accessed by the third computer associating the
3 path with information on the access situations of the third computer, and
4 the program code further includes a module for designating the file corresponding
5 to the access situation information as the candidate for migration when the information satisfies a
6 predetermined condition.

1 3. (Currently amended) The computer system according to claim 2, wherein
2 the program code further includes a module for transmitting an advertisement packet, indicating
3 the file has been transferred to the second computer, to the second network.

1 4. (Currently amended) The computer system according to claim 3, wherein:
2 the third computer comprises a memory for storing data and [[a]] program code,
3 and
4 the program code in the memory of the third computer includes a module for
5 receiving the advertisement packet and a module for making access to the second computer for
6 the file according to the advertisement packet.

1 5. (Previously presented) The computer system according to claim 1,

2 wherein:

3 the first network is further connected to a third network, and
4 the program code further includes a module for transmitting the migrator acceptor
5 search packet to the third network when no computer suitable for accepting the file is found in
6 the second network.

6-8. (Canceled)

1 9. (Currently amended) A first computer which is connected to a first
2 network capable of communicating with a second network including a second computer and a
3 third computer and which has a file accessed by the third computer, comprising:

4 a communication interface for connecting the first computer to the first network;
5 a CPU for controlling the first computer;
6 a disk storage device for storing data;
7 a disk interface for communicating data with the disk storage device; and
8 a memory for storing data and a ~~first program and a second program~~ code for
9 operating the CPU,

10 wherein the first program code includes:

11 a module for recording situations of access to a file stored in the disk
12 storage device from the third computer, and

13 wherein the second program code is executed depending on the access situation,
14 the second program code further including:

15 a module for searching the second network connected to the third
16 computer;

17 a module for searching a candidate for migration for the second network;
18 a module for designating the file as the candidate for migration to the
19 second computer;

20 a module for transmitting a migrator acceptor search packet to the second
21 computer for inquiring whether or not the second computer can accept the file;
22 a module for receiving a reply packet from the second computer as a
23 response to the migration admittance packet; [[and]]
24 a module for transferring the file to the second computer
25 a module for storing information indicative of whether the file has been
26 transferred to the second computer or the file exists in the first computer;
27 a module for storing a path name for the second computer when the file
28 has been transferred to the second computer; and
29 a module for receiving and storing the file in the first computer, when the
30 file is returned from the second computer.

10. (Canceled)

1 11. (Original) A program stored in a memory of a second computer which is
2 connected to a second network capable of communicating with a first network and which makes
3 access to a file of a first computer connected to the first network, comprising:
4 a module for making access to the file via an interface of the second computer to
5 the second network using a path name after reception of the path name to a third computer as a
6 destination of the file transferred from the first computer.

1 12. (Currently amended) A program stored in a memory of a first computer
2 which is connected to a first network capable of communicating with a second network including
3 a second computer and a third computer and which has a file accessed by the third computer,
4 comprising:
5 a first subroutine and a second subroutine,
6 wherein the first subroutine includes a module for recording situations of access
7 to the file of the first computer from the third computer, and

8 wherein the second subroutine is executed depending on the access situation, the
9 second subroutine including:

10 a module for searching the second network connected to the third
11 computer;

12 a module for searching a candidate for migration for the second network;
13 a module for designating the file as the candidate for migration to the
14 second computer;

15 a module for transmitting a migrator acceptor search packet to the second
16 computer for inquiring whether or not the second computer can accept the file;

17 a module for receiving a migration admittance packet from the second
18 computer as a response to the migration admittance packet; [[and]]

19 a module for transferring the file to the second computer;

20 a module for storing information indicative of whether the file has been
21 transferred to the second computer or the file exists in the first computer;

22 a module for storing a path name for the second computer when the file
23 has been transferred to the second computer; and

24 a module for receiving and storing the file in the first computer, when the
25 file is returned from the second computer.

13. (Canceled)

1 14. (Currently amended) The computer system according to claim 1, ~~further~~
2 comprising ~~wherein the program code further includes~~ a module for transferring a directory
3 belonging to the file to the second computer.

1 15. (New) The computer system according to claim 1, wherein the program
2 code further includes a module for transmitting the path name when the first computer receives
3 an access request for the file.

1 16. (New) The computer system according to claim 1, wherein the file is
2 stored into the second computer when the files is transferred from the first computer to the
3 second computer.

1 17. (New) The computer system according to claim 1, wherein the file is
2 returned from the second computer to the first computer depending on another access situation.

1 18. (New) The computer system according to claim 17, wherein the program
2 code further includes a module for deleting the path name when the file is retuned from the
3 second computer to the first computer.

1 19. (New) The computer system according to claim 1, wherein the module for
2 transferring the file to the second computer is performed if the response indicates that the second
3 computer accepts the file and the second computer has a capacity for storing the file.